



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM000013Z
Revision No:
4

This is to certify:

that

Fondinox S.p.A.
Via Marconi, 42/48 26010 Sergnano CR,
Italy

is an approved manufacturer of
Steel Castings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0246 Steel castings

and the following particulars:

Application area	Stainless steel castings Nickel base alloy castings
Material type	Austenitic stainless, Ferritic-austenitic (Duplex) stainless Nickel Alloy
Casting method	See page 2
Max. weight	2 000 kg
Max. wall thickness	See page 2
Heat treatment condition	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2026-01-20**

This Certificate is valid until **2028-12-31**.

DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Christian Wildhagen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Thorsten Lohmann

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Particulars of the approval

Stainless steel castings

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L) GX 5 CrNi 19 9 (304) GX 6 CrNiNb 19 10 (347) GX 2 CrNiMo 19 11 2 (316L) GX 5 CrNiMo 19 11 2 (316) GX 5 CrNiMo 19 11 3 (317)	SC, CC	2 000	65	SHT
Ferritic-austenitic	GX 2 CrNiMoN 22 5 3 GX 2 CrNiMoCuN 25 6 3 3	SC, CC	2 000	105	SHT

Nickel base alloy castings

Type	Grade ⁴⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition
Ni-Alloy	ASTM A494 Grade CX2MW	SC, CC	2 000	105	acc. to standard

Remarks:

- 1) SC: Sand Casting
CC: Centrifugal casting
- 2) SHT: Solution Heat Treated (Solution Annealing)
- 3) Incl. equivalent grades in acc. to other standards
- 4) Possible application and certification is subject to case by case approval based on DNV approved drawing